Rev. 04/01

Docket No. AEOMICA-X-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Penn et al.
Application No.:		09/864,761 Confirmation No.: 6802
Filed:	:	May 23, 2001
For:	:	HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS
Group Art Unit	:	1634
Examiner	:	Jeanine Anne Goldberg

Hon. Commissioner
for Patents
c/o P.O. Box 2327
Arlington, VA 22202

TRANSMITTAL LETTER FOR
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is a Supplemental Information Disclosure Statement in the above-identified application. This Statement is submitted:

[ ] within three months of the application filing date;

[X] more than three months from the application filing date but before the mailing date of the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge

payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

2 oct 2002

Daniel M. Becker
Reg. No. 38,376
Attorney for Applicants

FISH & NEAVE
1251 Avenue of the Americas
New York, N. Y. 10020
(650) 617-4000

I hereby Certify that this Correspondence is being Deposited with the U.S. Postal Service as First Class Mail in an Envelope Addressed to: HON. COMMISSIONER FOR PATENTS, Washington, D.C. 20231 on:

10/02/02
Date of Deposit

Matt Caretto

10/02/02
Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Penn et al.
Application No.:		09/864,761 Confirmation No.: 6802
Filed:	:	May 23, 2001
For:	:	HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS
Group Art Unit	:	1634
Examiner	:	Jeanine Anne Goldberg

Hon. Commissioner
for Patents
c/o P.O. Box 2327
Arlington, VA 22202

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants hereby make the following documents of record in the above identified application:*

U.S. Patents

5,942,417	08/1999	Jian et al.
5,879,898	03/1999	Tarin et al.
5,618,671	04/1997	Lindstroem

---

* Applicants reserve the right to challenge the status of any of the cited documents as prior art.

Foreign Patents

WO 01/09369	02/2001	WIPO
WO 99/67422	12/1999	WIPO
WO 99/39004	08/1999	WIPO
WO 99/33979	07/1999	WIPO
WO 99/23254	05/1999	WIPO
WO 99/23252	05/1999	WIPO
WO 99/15701	04/1999	WIPO
WO 98/30722	07/1998	WIPO
WO 98/18966	05/1998	WIPO
WO 98/02576	01/1998	WIPO
WO 98/01148	01/1998	WIPO
WO 92/13075	08/1992	WIPO
EP 1 043 405	10/2000	EP
EP 0 321 362	06/1989	EP
JP 11 169172	06/1999	JP
JP 03 147799	06/1991	JP

Other Documents

Adams et al., "3,400 Expressed Sequence Tags Identify Diversity of Transcripts in Human Brain," *Nature Genetics* 4(3): 256-267 (July 1993).

Adams et al., "Use of Random BAC End Sequence Database for Sequence Ready Map Building," *Database EMBL Online!*: Database Accession Number B57793.

Benit et al., "Cloning of a New Murine Endogenous Retrovirus MuERV-L with Strong Similarity to the Human HERV-L Element and with a Gag Coding Sequence Closely Related to the Fv1 Restriction Gene," *Journal of Virology* 71(7): 5652-5657 (1 July 1997).

Chin et al., "Structure and Expression of the Human MDR (P-Gloycoprotein) Gene Family," *Molecular and Cellular Biology* 9(9): 3808-3820 (September 1989).

Church et al., "Isolation of Genes from Complex Sources of Mammalian Genomic DNA Using Exon Amplification," *Nature Genetics* 6: 98-105 (1994).

Datson et al., "Scanning for Genes in Large Genomic Regions: Cosmid Based Exon Trapping of Multiple Exons in a Single Product," *Nucleic Acids Research* 24(6): 1105-1111.

Dickhoff et al., "Sequencing of Human Chromosome 14q31 Region," *Database EMBL Online!*: Accession Number AC007372 (27 April 1999).

Eisen et al., "Cluster Analysis and Display of Genome-Wide Expression Patterns," *Proc. Nat'l Acad. Sci. USA* 95: 14863-14868 (December 1998).

Ermak et al., "Restricted Patterns of CD44 Variant Exon Expression in Human Papillary Thyroid Carcinoma," *Cancer Research* 56(1): 1037-1042 (01 March 1996).

Guan et al., "GRAIL: An Integrated Artificial Intelligence System for Gene Recognition and Interpretation," *Proceedings of the Conference on Artificial Intelligence Applications* 8: 9-13 (2 March 1992).

Heilig et al., "Sequencing of the Human Chromosome 14," *Database EMBL Online!*: ID CNS0000F (11 May 1999).

Hillier et al., "The WashU-Merck EST Project," *Database EMBL Online!*: Accession Number R17795; ID HS79582 (22 April 1995).

Hudson, T., "Whitehead Institute/MIT Center for Genome Research; Physically Mapped ESTs," *Database EMBL Online!*: Accession Number GO6348 (June 1995).

Kirszenbaum et al., "An Alternatively Spliced Form of HLA-G mRNA," *Proc. Nat'l Acad. Sci. USA* 91: 4209-4213 (1 May 1994).

Liew et al., "A Catalogue of Genes in the Cardiovascular System as Identified by Expressed Sequence Tags," *Proc. Nat'l Acad. Sci. USA* 91: 10645-10649 (October 1994).

Lipshutz et al., "High Density Synthetic Oligonucleotide Arrays," *Nature Genetics* 21: 20-24 (1991).

MacKay et al., "Expressioon and Modulation of CD44 Variant Isoforms in Humans," *Journal of Cell Biology* 124(1/2): 71-82 (1994).

Mahairas et al., "Construction of a Characterized Clone Resource for Genomic Sequencing," *Database EMBL Online!*: IDAQ750225 (20 July 1999).

Marra et al., "The WashU-HHMI Mouse EST Project," *Database EMBL Online!*: Accession Number AA413898 (9 March 1997).

Masuya et al., "Map Kinase-Independent Induction of Proto-Oncogene c-fos mRNA by Hemin in Human Cells," *Biochemical and Biophysical Research Communications* 260(1): 289-295 (June 1999).

Mungall et al., "Homo Sapiens Flow-Sorted Chromosome 6 TaqI Fragment," *Database EMBL Online!*: Accession Number HSPA10C6 (5 August 1996).

Noble et al., "Prostaglandin E-2 Stimulates Aromatase Expression in Endometriosis-Derived Stromal Cells," *Journal of Clinical Endocrinology and Metabolism* 82(2): 600-606 (1997).

O'Connor et al., "Abnormalities of the ETV6 Gene Occur in the Majority of Patients with Aberrations of the Short Arm of Chromosome 12: A Combined PCR and Southern Blotting Analysis," *Leukemia* 12(7): 1099-1106 (July 1998).

Penn et al., "Mining the Human Genome Using Microarrays of Open Reading Frames," *Nature Genetics* 26(3): 315-318 (November 2000).

Robbins et al., "2006 Expressed-Sequence Tags Derived from Human Chromsome 7-Enriched cDNA Libraries," *Database EMBL Online!*: Database Accession Number AA078318.

Screaton et al., "Genomic Structure of DNA Encoding the Lymphocyte Homing Receptor CD44 Reveals at Least 12 Alternatively Spliced Exons," *Proc. Nat'l Acad. Sci. USA* 89(24): 12160-12164 (15 December 1989).

Stauder et al., "Different CD44 Splicing Patterns Define Prognostic Subgroups in Multiple Myeloma," *Blood* 88(8): 3101-3108 (1996).

Steenbergh et al., "Complete Nucleotide Sequence of the High Molecular Weight Human IGF-I Messenger RNA," *Biochemical and Biophysical Research Communications* 175(2): 507-514 (1991).

Stephan et al., "Positional Cloning Utilizing Genomic DNA Microarrays: The Niemann-Pick Type C Gene as a Model System," *Molecular Genetics and Metabolism* 70: 10-18 (May 2000).

Takahashi et al., "High-Density cDNA Filter Analysis of the Expression Profiles of the Genes Preferentially Expressed in Human Brain," *Gene* 164(2): 219-227 (27 October 1995).

Xu et al., "Distinct Transcription Start Sites Generate Two Forms of BRCA1 mRNA," *Human Molecular Genetics* 4(12): 2259-2264 (1995).

Yasojima et al., "Tangled Areas of Alzheimer Brain Have Upregulated Levels of Exon 10 Containing Tau MRNA," *Brain Research* 831(1/2): 301-305 (1999).

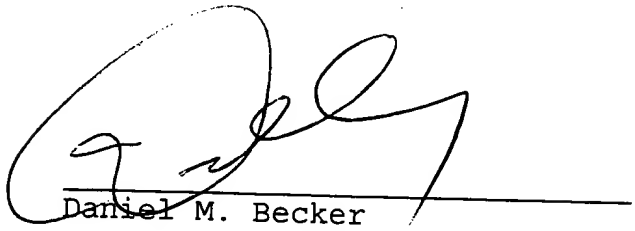
Ziegler et al., "Single-Cell cDNA-PCR: Removal of Contaminating Genomic DNA from Total RNA Using Immobilized DNase I," *BioTechniques* 13(5): 726-729 (1992).

Copies of the aforementioned documents, which are listed on the accompanying Form PTO-1449 (submitted in duplicate), are enclosed herewith.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent that may issue on this application. Applicants request that a copy of Form PTO-1449 (submitted in duplicate herewith), as considered and initialed by the Examiner, be returned with the next communication.

An early and favorable action is respectfully requested.

Respectfully submitted,



Daniel M. Becker
Reg. No. 38,376
Attorney for Applicants

FISH & NEAVE
1251 Avenue of the Americas
New York, N. Y. 10020
(650) 617-4000

I hereby Certify that this Correspondence is being Deposited with the U.S. Postal Service as First Class Mail in an Envelope Addressed to: HON. COMMISSIONER FOR PATENTS, Washington, D.C. 20231 on:

10/02/02
Date of Deposit

Matt Caretto

10/02/02
Date of Signature

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTY. DOCKET NO.	SERIAL NO.
AEOMICA-X-1	**09/864,761**
APPLICANT: **Penn et al.**	
FILING DATE: **May 23, 2001**	GROUP: **1645**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,942,417	08/1999	Jian et al.			
	5,879,898	03/1999	Tarin et al.			
	5,618,671	04/1997	Lindstroem			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	WO 01/09369	02/2001	WIPO				
	WO 99/67422	12/1999	WIPO				
	WO 99/39004	08/1999	WIPO				
	WO 99/33979	07/1999	WIPO				
	WO 99/23254	05/1999	WIPO				
	WO 99/23252	05/1999	WIPO				
	WO 99/15701	04/1999	WIPO				
	WO 98/30722	07/1998	WIPO				
	WO 98/18966	05/1998	WIPO				
	WO 98/02576	01/1998	WIPO				
	WO 98/01148	01/1998	WIPO				
	WO 92/13075	08/1992	WIPO				
	EP 1 043 405	10/2000	EP				
	EP 0 321 362	06/1989	EP				
	JP 11 169172	06/1999	JP				
	JP 03 147799	06/1991	JP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Adams et al., "3,400 Expressed Sequence Tags Identify Diversity of Transcripts in Human Brain," *Nature Genetics* 4(3): 256-267 (July 1993).
	Adams et al., "Use of Random BAC End Sequence Database for Sequence Ready Map Building," *Database EMBL Online!*: Database Accession Number B57793.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. **AEOMICA-X-1**	SERIAL NO. **09/864,761**
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT **Penn et al.**	
	FILING DATE **May 23, 2001**	GROUP **1645**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Benit et al., "Cloning of a New Murine Endogenous Retrovirus MuERV-L with Strong Similarity to the Human HERV-L Element and with a Gag Coding Sequence Closely Related to the Fv1 Restriction Gene," *Journal of Virology* 71(7): 5652-5657 (1 July 1997).
	Chin et al., "Structure and Expression of the Human MDR (P-Gloycoprotein) Gene Family," *Molecular and Cellular Biology* 9(9): 3808-3820 (September 1989).
	Church et al., "Isolation of Genes from Complex Sources of Mammalian Genomic DNA Using Exon Amplification," *Nature Genetics* 6: 98-105 (1994).
	Datson et al., "Scanning for Genes in Large Genomic Regions: Cosmid Based Exon Trapping of Multiple Exons in a Single Product," *Nucleic Acids Research* 24(6): 1105-1111.
	Dickhoff et al., "Sequencing of Human Chromosome 14q31 Region," *Database EMBL Online!*: Accession Number AC007372 (27 April 1999).
	Eisen et al., "Cluster Analysis and Display of Genome-Wide Expression Patterns," *Proc. Nat'l Acad. Sci. USA* 95: 14863-14868 (December 1998).
	Ermak et al., "Restricted Patterns of CD44 Variant Exon Expression in Human Papillary Thyroid Carcinoma," *Cancer Research* 56(1): 1037-1042 (01 March 1996).
	Guan et al., "GRAIL: An Integrated Artificial Intelligence System for Gene Recognition and Interpretation," *Proceedings of the Conference on Artificial Intelligence Applications* 8: 9-13 (2 March 1992).
	Heilig et al., "Sequencing of the Human Chromosome 14," *Database EMBL Online!*: ID CNS0000F (11 May 1999).
	Hillier et al., "The WashU-Merck EST Project," *Database EMBL Online!*: Accession Number R17795; ID HS79582 (22 April 1995).
	Hudson, T., "Whitehead Institute/MIT Center for Genome Research; Physically Mapped ESTs," *Database EMBL Online!*: Accession Number GO6348 (June 1995).
	Kirszenbaum et al., "An Alternatively Spliced Form of HLA-G mRNA," *Proc. Nat'l Acad. Sci. USA* 91: 4209-4213 (1 May 1994).
	Liew et al., "A Catalogue of Genes in the Cardiovascular System as Identified by Expressed Sequence Tags," *Proc. Nat'l Acad. Sci. USA* 91: 10645-10649 (October 1994).
	Lipshutz et al., "High Density Synthetic Oligonucleotide Arrays," *Nature Genetics* 21: 20-24 (1991).
	MacKay et al., "Expressioon and Modulation of CD44 Variant Isoforms in Humans," *Journal of Cell Biology* 124(1/2): 71-82 (1994).
	Mahairas et al., "Construction of a Characterized Clone Resource for Genomic Sequencing," *Database EMBL Online!*: IDAQ750225 (20 July 1999).
	Marra et al., "The WashU-HHMI Mouse EST Project," *Database EMBL Online!*: Accession Number AA413898 (9 March 1997).

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. **AEOMICA-X-1**	SERIAL NO. **09/864,761**
	APPLICANT **Penn t al.**	
	FILING DATE **May 23, 2001**	GROUP **1645**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Masuya et al., "Map Kinase-Independent Induction of Proto-Oncogene c-fos mRNA by Hemin in Human Cells," *Biochemical and Biophysical Research Communications* 260(1): 289-295 (June 1999).
	Mungall et al., "Homo Sapiens Flow-Sorted Chromosome 6 TaqI Fragment," *Database EMBL Online!*: Accession Number HSPA10C6 (5 August 1996).
	Noble et al., "Prostaglandin E-2 Stimulates Aromatase Expression in Endometriosis-Derived Stromal Cells," *Journal of Clinical Endocrinology and Metabolism* 82(2): 600-606 (1997).
	O'Connor et al., "Abnormalities of the ETV6 Gene Occur in the Majority of Patients with Aberrations of the Short Arm of Chromosome 12: A Combined PCR and Southern Blotting Analysis," *Leukemia* 12(7): 1099-1106 (July 1998).
	Penn et al., "Mining the Human Genome Using Microarrays of Open Reading Frames," *Nature Genetics* 26(3): 315-318 (November 2000).
	Robbins et al., "2006 Expressed-Sequence Tags Derived from Human Chromsome 7-Enriched cDNA Libraries," *Database EMBL Online!*: Database Accession Number AA078318.
	Screaton et al., "Genomic Structure of DNA Encoding the Lymphocyte Homing Receptor CD44 Reveals at Least 12 Alternatively Spliced Exons," *Proc. Nat'l Acad. Sci. USA* 89(24): 12160-12164 (15 December 1989).
	Stauder et al., "Different CD44 Splicing Patterns Define Prognostic Subgroups in Multiple Myeloma," *Blood* 88(8): 3101-3108 (1996).
	Steenbergh et al., "Complete Nucleotide Sequence of the High Molecular Weight Human IGF-I Messenger RNA," *Biochemical and Biophysical Research Communications* 175(2): 507-514 (1991).
	Stephan et al., "Positional Cloning Utilizing Genomic DNA Microarrays: The Niemann-Pick Type C Gene as a Model System," *Molecular Genetics and Metabolism* 70: 10-18 (May 2000).
	Takahashi et al., "High-Density cDNA Filter Analysis of the Expression Profiles of the Genes Preferentially Expressed in Human Brain," *Gene* 164(2): 219-227 (27 October 1995).
	Xu et al., "Distinct Transcription Start Sites Generate Two Forms of BRCA1 mRNA," *Human Molecular Genetics* 4(12): 2259-2264 (1995).
	Yasojima et al., "Tangled Areas of Alzheimer Brain Have Upregulated Levels of Exon 10 Containing Tau MRNA," *Brain Research* 831(1/2): 301-305 (1999).
	Ziegler et al., "Single-Cell cDNA-PCR: Removal of Contaminating Genomic DNA from Total RNA Using Immobilized DNase I," *BioTechniques* 13(5): 726-729 (1992).

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

Docket No. AEOMICA-X-1

Applicant Penn et al.

Serial No. 09/864,761 *Filed* May 23, 2001

Receipt is hereby acknowledged of the
Transmittal Letter in Duplicate; Supplemental Information Disclosure Statement; Form PTO-1449 in Duplicate; Fifty Two (52) References

Dated October 2, 2002

Filed in connection with the above case.

COMMISSIONER OF PATENTS
AND TRADEMARKS

PATENTS
AEOMICA-X-1

FOR PURPOSES OF INFORMATION ONLY; NOT FOR FILING

Applicants	:	Penn et al.
Serial No.	:	09/864,761 Confirmation No. : 6802
Filed:	:	May 23, 2001
For:	:	HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS
Group Art Unit	:	1631
Examiner	:	Cheyne Dune Ly

Represenatives : Daniel M. Becker
Reg. No. 38,376
David A. Roise
Reg. No. 47,904
Fish & Neave
Customer No. 1473
1251 Avenue of the Americas
New York, NY 10020
(650) 617-4000

INDEX OF DOCUMENTS IN AEOMICA-X-1 IDS BOX # 1 OF 2

Documents from Supplemental Information Disclosure Statement filed October 2, 2002

U.S. Patents	Date	Name
5,942,417	08/1999	Jian et al.
5,879,898	03/1999	Tarin et al.
5,618,671	04/1997	Lindstroem

Foreign Patents	Date	Country
WO 01/09369	02/2001	WIPO
WO 99/67422	12/1999	WIPO
WO 99/39004	08/1999	WIPO
WO 99/33979	07/1999	WIPO
WO 99/23254	05/1999	WIPO
WO 99/23252	05/1999	WIPO
WO 99/15701	04/1999	WIPO
WO 98/30722	07/1998	WIPO
WO 98/18966	05/1998	WIPO
WO 98/02576	01/1998	WIPO
WO 98/01148	01/1998	WIPO
WO 92/13075	08/1992	WIPO
EP 1 043 405	10/2000	EP

Foreign Patents	Date	Country
EP 0 321 362	06/1989	EP
JP 11 169172	06/1999	JP
JP 03 147799	06/1991	JP

Other Documents

Adams et al., "3,400 Expressed Sequence Tags Identify Diversity of Transcripts in Human Brain," *Nature Genetics* 4(3): 256-267 (July 1993).

Adams et al., "Use of Random BAC End Sequence Database for Sequence Ready Map Building," *Database EMBL Online!*: Database Accession Number B57793.

Benit et al., "Cloning of a New Murine Endogenous Retrovirus MuERV-L with Strong Similarity to the Human HERV-L Element and with a Gag Coding Sequence Closely Related to the Fv1 Restriction Gene," *Journal of Virology* 71(7): 5652-5657 (1 July 1997).

Chin et al., "Structure and Expression of the Human MDR (P-Gloycoprotein) Gene Family," *Molecular and Cellular Biology* 9(9): 3808-3820 (September 1989).

Church et al., "Isolation of Genes from Complex Sources of Mammalian Genomic DNA Using Exon Amplification," *Nature Genetics* 6: 98-105 (1994).

Datson et al., "Scanning for Genes in Large Genomic Regions: Cosmid Based Exon Trapping of Multiple Exons in a Single Product," *Nucleic Acids Research* 24(6): 1105-1111.

Dickhoff et al., "Sequencing of Human Chromosome 14q31 Region," *Database EMBL Online!*: Accession Number AC007372 (27 April 1999).

Eisen et al., "Cluster Analysis and Display of Genome-Wide Expression Patterns," *Proc. Nat'l Acad. Sci. USA* 95: 14863-14868 (December 1998).

Ermak et al., "Restricted Patterns of CD44 Variant Exon Expression in Human Papillary Thyroid Carcinoma," *Cancer Research* 56(1): 1037-1042 (01 March 1996).

Guan et al., "GRAIL: An Integrated Artificial Intelligence System for Gene Recognition and Interpretation," *Proceedings of the Conference on Artificial Intelligence Applications* 8: 9-13 (2 March 1992).

Heilig et al., "Sequencing of the Human Chromosome 14," *Database EMBL Online!*: ID CNS0000F (11 May 1999).

Hillier et al., "The WashU-Merck EST Project," *Database EMBL Online!*: Accession Number R17795; ID HS79582 (22 April 1995).

Hudson, T., "Whitehead Institute/MIT Center for Genome Research; Physically Mapped ESTs," *Database EMBL Online!*: Accession Number GO6348 (June 1995).

Kirszenbaum et al., "An Alternatively Spliced Form of HLA-G mRNA," *Proc. Nat'l Acad. Sci. USA* 91: 4209-4213 (1 May 1994).

Liew et al., "A Catalogue of Genes in the Cardiovascular System as Identified by Expressed Sequence Tags," *Proc. Nat'l Acad. Sci. USA* 91: 10645-10649 (October 1994).

Lipshutz et al., "High Density Synthetic Oligonucleotide Arrays," *Nature Genetics* 21: 20-24 (1991).

MacKay et al., "Expressioon and Modulation of CD44 Variant Isoforms in Humans," *Journal of Cell Biology* 124(1/2): 71-82 (1994).

Mahairas et al., "Construction of a Characterized Clone Resource for Genomic Sequencing," *Database EMBL Online!*: IDAQ750225 (20 July 1999).

Marra et al., "The WashU-HHMI Mouse EST Project," *Database EMBL Online!*: Accession Number AA413898 (9 March 1997).

Masuya et al., "Map Kinase-Independent Induction of Proto-Oncogene c-fos mRNA by Hemin in Human Cells," *Biochemical and Biophysical Research Communications* 260(1): 289-295 (June 1999).

Mungall et al., "Homo Sapiens Flow-Sorted Chromosome 6 TaqI Fragment," *Database EMBL Online!*: Accession Number HSPA10C6 (5 August 1996).

Noble et al., "Prostaglandin E-2 Stimulates Aromatase Expression in Endometriosis-Derived Stromal Cells," *Journal of Clinical Endocrinology and Metabolism* 82(2): 600-606 (1997).

O'Connor et al., "Abnormalities of the ETV6 Gene Occur in the Majority of Patients with Aberrations of the Short Arm of Chromosome 12: A Combined PCR and Southern Blotting Analysis," *Leukemia* 12(7): 1099-1106 (July 1998).

Penn et al., "Mining the Human Genome Using Microarrays of Open Reading Frames," *Nature Genetics* 26(3): 315-318 (November 2000).

Robbins et al., "2006 Expressed-Sequence Tags Derived from Human Chromsome 7-Enriched cDNA Libraries," *Database EMBL Online!*: Database Accession Number AA078318.

Screaton et al., "Genomic Structure of DNA Encoding the Lymphocyte Homing Receptor CD44 Reveals at Least 12 Alternatively Spliced Exons," *Proc. Nat'l Acad. Sci. USA* 89(24): 12160-12164 (15 December 1989).

Stauder et al., "Different CD44 Splicing Patterns Define Prognostic Subgroups in Multiple Myeloma," *Blood* 88(8): 3101-3108 (1996).

Steenbergh et al., "Complete Nucleotide Sequence of the High Molecular Weight Human IGF-I Messenger RNA," *Biochemical and Biophysical Research Communications* 175(2): 507-514 (1991).

Stephan et al., "Positional Cloning Utilizing Genomic DNA Microarrays: The Niemann-Pick Type C Gene as a Model System," *Molecular Genetics and Metabolism* 70: 10-18 (May 2000).

Takahashi et al., "High-Density cDNA Filter Analysis of the Expression Profiles of the Genes Preferentially Expressed in Human Brain," *Gene* 164(2): 219-227 (27 October 1995).

Xu et al., "Distinct Transcription Start Sites Generate Two Forms of BRCA1 mRNA," *Human Molecular Genetics* 4(12): 2259-2264 (1995).

Yasojima et al., "Tangled Areas of Alzheimer Brain Have Upregulated Levels of Exon 10 Containing Tau MRNA," *Brain Research* 831(1/2): 301-305 (1999).

Ziegler et al., "Single-Cell cDNA-PCR: Removal of Contaminating Genomic DNA from Total RNA Using Immobilized DNase I," *BioTechniques* 13(5): 726-729 (1992).

Documents from Supplemental Information Disclosure Statement filed August 19, 2002

U.S. Patents	Date	Name
6,355,423	03/2001	Rothberg et al.
6,329,140	12/2001	Lockhart et al.
6,303,301	10/2001	Mack
6,251,590	06/2001	Schweighoffer et al.
5,955,272	09/1999	Lawrence et al.
2002/0029113	03/2002	Wang et al.

Foreign Patents	Date	Country
WO 01/81632	11/2001	WIPO
EP 0 791 660	08/1997	EP

Documents from Information Disclosure Statement filed November 30, 2001

U.S. Patents	Date	Name
6,204,250	03/20/01	Bot et al.
6,124,128	09/26/00	Tsien et al.
6,110,898	08/29/00	Malone et al.
6,096,865	08/01/00	Michaels
6,090,919	07/18/00	Cormack et al.
6,066,476	05/23/00	Tsien et al.
6,057,107	05/02/00	Fulton
6,054,321	04/25/00	Tsien et al.
6,051,831	04/18/00	Köster
6,046,800	04/04/00	Ohtomo et al.
6,042,549	03/28/00	Amano et al.
6,027,881	02/22/00	Pavlakis et al.
6,025,201	02/15/00	Zelmanovic et al.
6,017,897	01/25/00	Li et al.
6,016,191	01/18/00	Ramos et al.
6,004,752	12/21/99	Loewy et al.
6,004,744	12/21/99	Goelet et al.
6,001,233	12/14/99	Levy
5,990,689	11/23/99	Poncon
5,985,847	11/16/99	Carson et al.
5,984,175	11/16/99	Popp
5,968,750	10/19/99	Zolotukhin et al.
5,960,411	09/28/99	Hartman et al.
5,958,891	09/28/99	Hsu et al.
5,945,339	08/31/99	Holloman et al.
5,930,143	07/27/99	Savazzi
5,925,517	07/20/99	Tyagi et al.
5,889,351	03/30/99	Okumura et al.
5,888,983	03/30/99	Kmiec et al.
5,880,104	03/09/99	Li et al.
5,874,304	02/23/99	Zolotukhin et al.
5,871,984	02/16/99	Kmiec
5,854,033	12/29/98	Lizardi
5,846,726	12/08/98	Nadeau et al.
5,843,913	12/01/98	Li et al.
5,830,877	11/03/98	Carson et al.
5,824,269	10/20/98	Kosaka et al.
5,804,566	09/08/98	Carson et al.
5,804,387	09/08/98	Cormack et al.
5,795,972	08/18/98	Kmiec
5,783,674	07/21/98	Geysen

U.S. Patents	Date	Name
5,780,296	07/14/98	Holloman et al.
5,777,079	07/07/98	Tsien et al.
5,760,012	06/02/98	Kmiec et al.
5,756,325	05/26/98	Kmiec
5,744,305	04/28/98	Fodor et al.
5,741,668	04/21/98	Ward et al.
5,736,330	04/07/98	Fulton
5,731,181	03/24/98	Kmiec
5,723,591	03/03/98	Livak et al.
5,719,262	02/17/98	Buchardt et al.
5,714,331	02/03/98	Buchardt et al.
5,714,320	02/03/98	Kool
5,679,647	10/21/97	Carson et al.
5,677,439	10/14/97	Weis et al.
5,677,437	10/14/97	Teng et al.
5,663,312	09/02/97	Chaturvedula
5,633,360	05/27/97	Bischofberger et al.
5,625,050	04/29/97	Beaton et al.
5,625,048	04/29/97	Tsien et al.
5,623,070	04/22/97	Cook et al.
5,618,704	04/08/97	Sanghvi et al.
5,610,289	03/11/97	Cook et al.
5,608,046	03/04/97	Cook et al.
5,602,240	02/11/97	De Mesmaeker et al.
5,596,086	01/21/97	Matteucci et al.
5,595,915	01/21/97	Geysen
5,589,466	12/31/96	Felgner et al.
5,587,361	12/24/96	Cook et al.
5,571,799	11/05/96	Tkachuk et al.
5,570,694	11/05/96	Rometsch
5,563,253	10/08/96	Agrawal et al.
5,561,225	10/01/96	Maddry et al.
5,550,111	08/27/96	Suhadolnik et al.
5,541,307	07/30/96	Cook et al.
5,541,306	07/30/96	Agrawal et al.
5,539,084	07/23/96	Geysen
5,539,082	07/23/96	Nielsen et al.
5,538,848	07/23/96	Livak et al.
5,536,821	07/16/96	Agrawal et al.
5,519,126	05/21/96	Hecht
5,489,677	02/06/96	Sanghvi et al.
5,476,925	12/19/95	Letsinger et al.
5,470,967	11/28/95	Huie et al.
5,466,677	11/14/95	Baxter et al.
5,455,233	10/3/95	Spielvogel et al.
5,453,496	09/26/95	Caruthers et al.

U.S. Patents	Date	Name
5,445,934	08/29/95	Fodor et al.
5,434,257	07/18/95	Matteucci et al.
5,405,939	04/11/95	Suhadolnik et al.
5,405,938	04/11/95	Summerton et al.
5,399,676	03/21/95	Froehler
5,321,131	06/14/94	Agrawal et al.
5,286,717	02/15/94	Cohen et al.
5,279,044	01/18/94	Bremer
5,278,302	01/11/94	Caruthers et al.
5,276,019	01/04/94	Cohen et al.
5,264,564	11/23/93	Matteucci
5,264,562	11/23/93	Matteucci
5,264,423	11/23/93	Cohen, et al.
5,235,033	08/10/93	Summerton et al.
5,216,141	06/01/93	Benner
5,214,134	05/25/93	Weiss et al.
5,188,897	02/23/93	Suhadolnik et al.
5,186,042	02/16/93	Miyazaki
5,185,444	02/09/93	Summerton et al.
5,177,196	01/05/93	Meyer, Jr. et al.
5,166,315	11/24/92	Summerton et al.
5,034,506	07/23/91	Summerton et al.
5,023,243	06/11/91	Tullis
4,708,871	11/24/87	Geysen
4,476,301	10/09/84	Imbach et al.
4,469,863	09/04/84	Ts'o et al.
4,246,774	01/27/81	Flesselles et al.
3,687,808	08/29/72	Merigan et al.